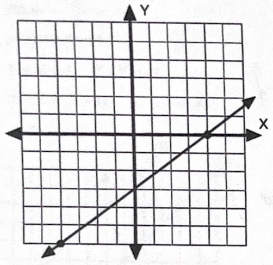
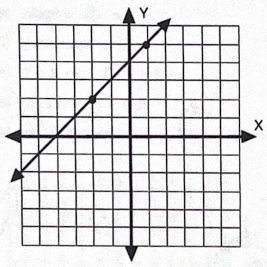
9B - 1

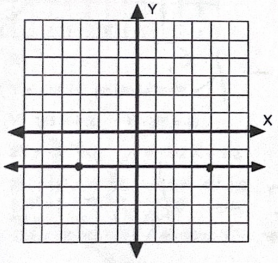
1) Y = 6/8 X - 3; Y = 3/4 X - 3



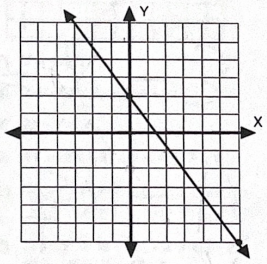
2) Y = 3/3 X + 4; Y = X + 4



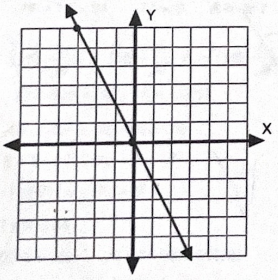
3) slope-intercept: Y = 0X - 2; Y = -2
standard form: Y = -2



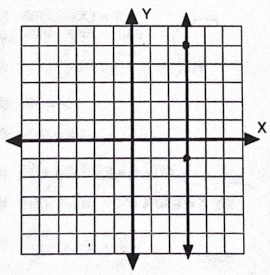
4) slope-intercept: Y = -8/6 X + 2; Y = -4/3 X + 2
standard form: 4/3 X + Y = 2; 4X + 3Y = 6



5) slope-intercept: Y = -6/3 X + 0; Y = -2X
standard form: 2X + Y = 0



6) slope-intercept: none because slope is undefined and there is no Y-intercept.
standard form: X = 0 3



9B - 2

If your student text has Lesson Practice 8A.1 - 8A.3, look in Appendix A at the back of your student book for the solutions. If your student text has only 34 lessons, your lesson practice 8B is the same as 9B-2 in these solutions. Add one to each lesson number from here on to find the correct solutions.

7) on the graph

8) slope = $-\frac{3}{2}$

9) y-intercept = 3

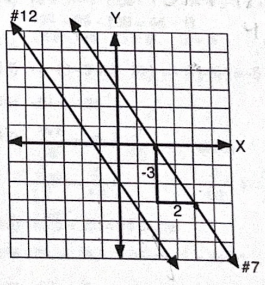
10) Y = -3/2 X + 3

11) C (Y = -3/2 X)

12) on the graph

13) Y = -3/2 X - 2

14) Y + 3/2 X = -2, 3X + 2Y = -4



15) on the graph

16) slope = $\frac{8}{2} = 4$

17) y-intercept = -1

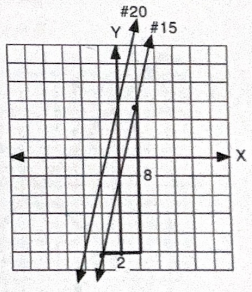
18) Y = 4X - 1

19) C (Y = 3/2 X + 1)

20) on the graph

21) Y = 4X + 3

22) 4X - Y = -3



9A-1

1) a) m = 5/3, b = 5, Y = 5/3 X + 5
b) m = 5/3, b = 1, Y = 5/3 X + 1
c) m = 5/3, b = -1, Y = 5/3 X - 1
d) m = 5/3, b = -4, Y = 5/3 X - 4

2) w) m = -1/2, b = 4, Y = -1/2 X + 4
x) m = -1/2, b = 2, Y = -1/2 X + 2
y) m = -1/2, b = -1, Y = -1/2 X - 1
z) m = -1/2, b = -3, Y = -1/2 X - 3

3) A) Y = 1/3 X - 2
B) Y = -3X
C) Y = 4 - 3X; Y = -3X + 4

LInes B and C both have a slope of -3,
which is the same slope as Y = -3X + 2.
Answers B and C are parallel to the given line.

4) A) Y = 1/4 X + 5
B) Y = -1/2 X + 2
C) Y = 4 + 4/8 X; Y = 1/2 X + 4

LIne C has a reduced slope of 1/2,
which is the same slope as Y = 1/2 X - 5.
Answer C is parallel to the given line.

5) A) Y = 2/3 X + 4
B) Y = 6/4 X; Y = 3/2 X
C) 2Y = 8 - 3X; 2Y = -3X + 8, Y = -3/2 X + 4

Given line: 2Y - 3X = 4; 2Y = 3X + 4; Y = 3/2 X + 2
LIne B has a reduced slope of 3/2,
which is the same slope as Y = 3/2 X + 2.
Answer B is parallel to the given line.

6) A) Y = 12/9 X - 1; Y = 4/3 X - 1
B) 3Y = -4X + 0; Y = -4/3 X
C) -2Y = 5X - 8; Y = -5/2 X + 4

Given line: 3Y+ 4X = -6; 3Y = -4X - 6; Y = -4/3 X - 2
LIne B has a slope of -4/3,
which is the same slope as Y = -4/3 X - 2.
Answer B is parallel to the given line.

9A-2

7) -Y + 2X = 4
-Y = -2X + 4
Y = 2X - 4

8) Y - 4X = 0
Y = 4X + 0
Y = 4X

9) -2Y - X = -2
-2Y = X - 2
Y = -1/2 X + 1

10) 3Y - 2X = -6
3Y = 2X - 6
Y = 2/3 X - 2

11) -4Y - 3X = -8
-4Y = 3X - 8
Y = -3/4 X + 2

12) Y = -5/3 X - 2
5/3 X + Y = -2 Adding 5/3 X to both sides.
5X + 3Y = -6 Multiplying each term by 3.

13) Y = 4X - 3
-4X + Y = -3 or
4X - Y = 3 Multiplying each term by -1.

14) Y = 1/4 X + 3
-1/4 X + Y = 3
-X + 4Y = 12 or X - 4Y = -12

15) Y = -3/5 X - 1
3/5 X + Y = -1
3X + 5Y = -5

16) Y = 3X
-3X + Y = 0 or 3X - Y = 0

9C

1) on the graph

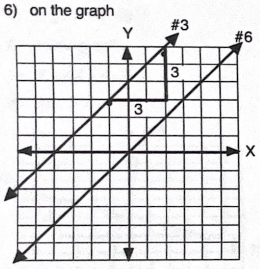
2) slope = $\frac{3}{3}$ = 1

3) y-intercept = 4

4) Y = X + 4, X - Y = -4

5) A (Y = -X - 1), C (Y = -X)

6) on the graph



7) 2

8) Y = -3X - 1, so slope is -3

9) Y - 1/3 X = 2, X - 3Y = -6

10) 2Y = -3X + 1, Y = - 3/2 X + 1/2

11) $(3 - 11)^2 \times 2 \div 16 - 7 = 3Y - 4Y + 9$
$(-8)^2 \times 2 \div 16 - 7 = -Y + 9$
$64 \times 2 \div 16 - 7 - 9 = -Y$
$128 \div 16 - 16 = -Y$, 8 - 16 = -Y, 8 = Y

12) $(3 - 5)^2 + |6 - 4| - X = 3X$
$(-2)^2 + |2| - X = 3X$
$4 + 2 = 4X$, 6 = 4X, 1 1/2 = X

13) $3(A - 4) - 5(2A - 6) = 21$
$3A - 12 - 10A + 30 = 21$
$-7A + 18 = 21$, $-7A = 3$, A = -3/ 7

14) $\overset{5}{\cancel{(15)}}\frac{4}{\cancel{3}} + \overset{3}{\cancel{(15)}}\frac{4}{\cancel{5}} A = \overset{3}{\cancel{(15)}}\frac{11}{\cancel{5}}$

$20 + 12A = 33$, A = 1 1/12

15) $-6^2 - (-6)^2 = -36 - 36 = -72$

16) 5 + 5 - (-7) = 10 + 7 = 17

17) - [- (-7)] = - [7] = -7

18) $(-8)^2 = 64$

19) 25% = .25, .25 x 76.98 = $19.25

20) 45% = .45, .45 x 600 = 270 people

9D

1) on the graph

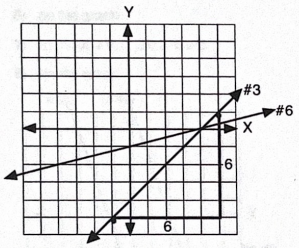
2) slope = $\frac{6}{6}$ = 1

3) y-intercept = -4

4) Y = X - 4, X - Y = 4

5) C (Y = 1/4 X +.2)

6) on the graph



7) Y = 1/4 X - 1

8) Y = -2X + 3, slope = -2

9) 2X - Y = -5

10) 4Y = -2X + 8, Y = -1/2 X + 2

11) $|-1 - 1 - 1 - 1|^2 = (-1)^2 + B(-1) \div 1$
$16 = 1 - B \div 1$, 15 = -B, -15 = B

12) $(3 + 5)^2 + |8 - 11| + Z = 4(Z - 2)$
$8^2 + |-3| + Z = 4Z - 8$
$64 + 3 + Z = 4Z - 8$, 75 = 3Z, 25 = Z

13) $5(B - 6) + 4(2B + 7) = 102$
$5B - 30 + 8B + 28 = 102$
$13B - 2 = 102$, 13B = 104, B = 8

14) $55Q - 30Q = 125$
$25Q = 125$, Q = 5

15) - { - [- (-8)] } = - { - [8] } = 8

16) $-9^2 = -81$

17) $-(-4) = 4$

18) $3^2 + (-3)^2 = 9 + 9 = 18$

19) 76% = .76, .76 X 200 = $152

20) $\frac{WF}{\cancel{8}} \times \cancel{8} = \frac{2}{8}$ check

WF = $\frac{2}{8} = \frac{1}{4}$ $\frac{1}{\cancel{4}} \times \frac{\overset{2}{\cancel{8}}}{1} = 2$

9E

1) on the graph

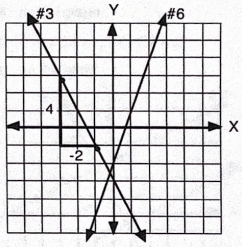
2) slope = $\frac{4}{-2}$ = -2

3) y-intercept = -3

4) Y = -2X - 3, 2X + Y = -3

5) B (Y = 3X), C

6) on the graph (line will have a slope of 3)



7) Y = 3X - 2

8) -1/5

9) 3X + Y = -6

10) Y + 2X = -1, Y = -2X - 1

11) $24Y - 108Y + 96 = 48 - 12Y$
$-84Y + 96 - 48 = -12Y$
$48 = 72Y$, 2/3 = Y

12) $\{ - [- (-9)] + 7^2 \} \div 5 \div 2 = Q + 4$
$\{ -9 + 49 \} \div 5 \div 2 = Q + 4$
$40 \div 5 \div 2 = Q + 4$, $8 \div 2 - 4 = Q$, 0 = Q

13) $8(A + 3 - 9) - 4(2A + 5) = 2A + 4$
$8A + 24 - 72 - 8A - 20 = 2A + 4$
$-68 - 4 = 2A$, $-72 = 2A$, $-36 = A$

14) $(6 + 6)^2 + |100 - 1| - 14^2 = 5 \times 9 + B$
$12^2 + 99 - 196 = 45 + B$
$243 - 196 - 45 = B$, 2 = B

15) - [- (6 - 9 + 3 - 5)] = - [- (-5)] = -5

16) $-5^3 = -125$

17) $\frac{WF}{\cancel{10}} \times \cancel{10} = \frac{3}{10}$ check

WF = $\frac{3}{10}$ $\frac{3}{\cancel{10}} \times \frac{\cancel{10}}{1} = 3$

18) 8.75 ÷ .25 = 35 packs

19) 6% = .06, .06 x 115 = $6.90

20) $-N^2 - N^2$

10A

1) on the graph

2) slope = $\frac{8}{2}$ = 4

3) y-intercept = 0

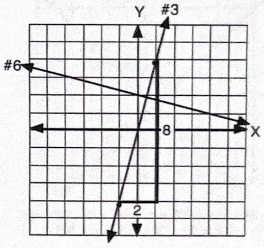
4) Y = 4X

5) B

6) on the graph

7) Y = -1/4 X + 2

8) Y + 1/4X = 2, X + 4Y = 8



9) on the graph

10) slope = - $\frac{2}{2}$ = -1

11) y-intercept = -2

12) Y = -X - 2

13) A (Y = X - 2)

14) on the graph

15) Y = X + 2

16) X - Y = -2

