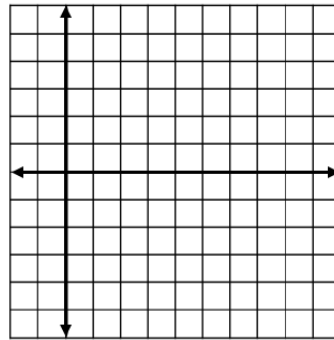


More review questions:

1 Solve  $x^2 - 4x - 5 = 0$  by graphing.

- a.) Opens up or down \_\_\_\_\_
- b.) Stretch, shrink, or the same? \_\_\_\_\_
- c.) y-intercept \_\_\_\_\_
- d.) x-intercept(s) \_\_\_\_\_
- e.) AOS \_\_\_\_\_
- f.) Vertex \_\_\_\_\_

2 Solve  $\frac{1}{2}x^2 - 4x + 6 = 0$  by graphing.



3 Solve  $x^2 - 11x + 30 = 0$  by factoring.

4 Solve  $x^2 - 5x - 14 = 0$  by factoring.

5 Solve  $3x^2 + 11x + 6 = 0$  by factoring.

6 Solve  $5x^2 - 11x + 8 = 0$  by factoring.

7 Solve  $x^2 = 81$  using square roots.

8 Solve  $6x^2 = 384$  using square roots.

9 Solve  $2x^2 - 7 = 25$  using square roots.

10 Solve  $4(x - 3)^2 = 144$  using square roots.

11 Solve  $3(x + 1)^2 + 9 = 84$  using square roots.

12 Solve  $x^2 + 6x = 16$  by completing the square.

13 Solve  $x^2 - 12x = -27$  by completing the square.

14 Solve  $2x^2 + 12x + 10 = 0$  by completing the square.

15 Solve  $2x^2 + 8x = 42$  by completing the square.

the Quadratic formula:

16 Solve  $x^2 + 5x - 14 = 0$  using the quadratic formula.

17 Solve  $2x^2 - 7x + 5 = 0$  using the quadratic formula.

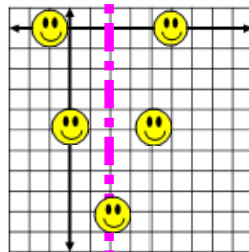
18 Solve  $6x^2 + 5x - 4 = 0$  using the quadratic formula.

19 Solve  $x^2 - 8x - 11 = 0$  using the quadratic formula.

20 Solve  $2x^2 - 8x - 15 = 0$  using the quadratic formula.

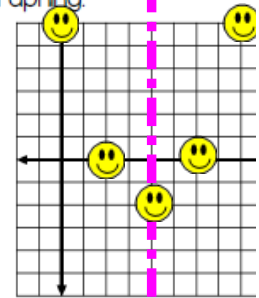
1 Solve  $x^2 - 4x - 5 = 0$  by graphing.

$x = -1; x = 5$



2 Solve  $\frac{1}{2}x^2 - 4x + 6 = 0$  by graphing.

$x = 2; x = 6$



3 Solve  $x^2 - 11x + 30 = 0$  by factoring.

$x = 5; x = 6$

4 Solve  $x^2 - 5x - 14 = 0$  by factoring.

$x = -2; x = 7$

5 Solve  $3x^2 + 11x + 6 = 0$  by factoring.

$x = -3; x = -\frac{2}{3}$

6 Solve  $5x^2 - 11x + 8 = 0$  by factoring.

$x = \frac{4}{5}; x = 2$

7 Solve  $x^2 = 81$  using square roots.

$$x = \pm 9$$

8 Solve  $6x^2 = 384$  using square roots.

$$x = \pm 8$$

9 Solve  $2x^2 - 7 = 25$  using square roots.

$$x = \pm 4$$

10 Solve  $4(x - 3)^2 = 144$  using square roots.

$$x = -3; x = 9$$

11 Solve  $3(x + 1)^2 + 9 = 84$  using square roots.

$$x = -6; x = 4$$

12 Solve  $x^2 + 6x = 16$  by completing the square.

$$x = -8; x = 2$$

14 Solve  $2x^2 + 12x + 10 = 0$  by completing the square.

$$x = -5; x = -1$$

13 Solve  $x^2 - 12x = -27$  by completing the square.

$$x = 3; x = 9$$

15 Solve  $2x^2 + 8x = 42$  by completing the square.

$$x = -7; x = 3$$

the Quadratic Formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

16 Solve  $x^2 + 5x - 14 = 0$  using the quadratic formula.

$$x = -7; x = 2$$

18 Solve  $6x^2 + 5x - 4 = 0$  using the quadratic formula.

$$x = \frac{1}{2}; x = -1\frac{1}{3}$$

19 Solve  $x^2 - 8x - 11 = 0$  using the quadratic formula.

$$x = -1.2; x = 9.2$$

17 Solve  $2x^2 - 7x + 5 = 0$  using the quadratic formula.

$$x = 1; x = 2.5$$

20 Solve  $2x^2 - 8x - 15 = 0$  using the quadratic formula.

$$x = -1.39; x = 5.39$$