Solve, check, and graph the following equations.

1) $d + 17 = 33$

2) $z - 29 = 42$

3) $-3v = 45$

$$\frac{-3v}{-3} = \frac{45}{-3}$$

$\boxed{v = -15}$

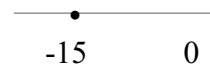✓ $-3(-15) = 45$
  $45 = 45$✓

—•———————
-15   0

4) $\frac{(5)k}{5} = 9(5)$

$\boxed{k = 45}$

✓ $\frac{(45)}{5} = 9$
  $9 = 9$✓

————————•—
0   45

5) $x^2 = 9$

$\sqrt{x^2} = \sqrt{9}$

$\boxed{x = \pm 3}$

✓ $(3)^2 = 9$ $(-3)^2 = 9$
  $9 = 9$ $9 = 9$✓

•————————•—
-3   0   3

6) $\sqrt{m} = 8$

$(\sqrt{m^2}) = (8)^2$

$\boxed{m = 64}$

✓ $\sqrt{(64)} = 8$
  $8 = 8$✓

—————————•
0   64

7) $p^2 = 49$

8) $\sqrt{a} = 5$
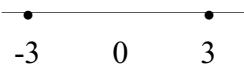
9) $-18 = t - 12$

10) $-42 = 7h$

11) $\frac{t}{-7} = -4$

12) $14 = -11 + k$

13) $3x + 7 = 19$

$$\frac{-7 \quad -7}{3x = 12}$$
$$\frac{}{3 \qquad 3}$$

$x = 4$

✓ $3(4) + 7 = 19$
  $12 + 7 = 19$
    $19 = 19$✓

—————•—
0   4

14) $\frac{x}{2} - 7 = 3$

$$\frac{+7 \quad +7}{x/2 = 10}$$
$2(x/2) = 10(2)$

$x = 20$

✓ $(20)/2 - 7 = 3$
  $10 - 7 = 3$
    $3 = 3$✓

—————————•
0   20

15) $7x - 5 = 30$

$$\frac{+5 \quad +5}{7x = 35}$$
$$\frac{}{7 \qquad 7}$$

$x = 5$

✓ $7(5) - 5 = 30$
  $35 - 5 = 30$
    $30 = 30$✓

—————————•
0   5

16) $x^2 + 6 = 42$

$$\frac{-6 \quad -6}{x^2 = 36}$$
$\sqrt{(x^2)} = \sqrt{(36)}$

$x = \pm 6$

✓ $(6)^2 + 6 = 42$ ✓ $(-6)^2 + 6 = 42$
  $36 + 6 = 42$ $36 + 6 = 42$
  $42 = 42$✓ $42 = 42$✓

•————•————•
-6   0   6