Solve Absolute Value Equations

Give your answers as fractions or mixed numbers, if needed.

$$\left|\frac{z+14}{7}\right| = 4$$

$$\left|\frac{c+6}{9}\right| = 20$$

$$\frac{|y+25|}{5} = 20$$

$$\frac{|n+2|}{5} = 20$$

$$\left|\frac{6}{d-7}\right| = 5$$

$$\frac{3}{|s+10|} = 2$$

$$\frac{2}{|k-2|} = 4$$

$$\left|\frac{2}{p+8}\right| = 6$$

Solve Absolute Value Equations

Give your answers as fractions or mixed numbers, if needed.

$$\left|\frac{z+14}{7}\right| = 4$$

$z = 14$

$z = -42$

$$\left|\frac{c+6}{9}\right| = 20$$

$c = 174$

$c = -186$

$$\frac{|y+25|}{5} = 20$$

$y = 100$

$y = -125$

$$\frac{|n+2|}{5} = 20$$

$n = 98$

$n = -102$

$$\left|\frac{6}{d-7}\right| = 5$$

$d = 8\frac{1}{5}$

$d = 5\frac{4}{5}$

$$\frac{3}{|s+10|} = 2$$

$s = -8\frac{1}{2}$

$s = -11\frac{1}{2}$

$$\frac{2}{|k-2|} = 4$$

$k = 2\frac{1}{2}$

$k = 1\frac{1}{2}$

$$\left|\frac{2}{p+8}\right| = 6$$

$p = -7\frac{2}{3}$

$p = -8\frac{1}{3}$