

Solve the Absolute Value Equations

Round your answers to the nearest hundredth if needed.

$$1) \left| \frac{3}{b+21} \right| = 10$$

$$6) \frac{|a+5|}{8} = 28$$

$$2) \frac{1}{|v+29|} = 7$$

$$7) \left| \frac{f-22}{9} \right| = 2$$

$$3) \frac{3}{|c+22|} = 24$$

$$8) \frac{|s-15|}{7} = 12$$

$$4) \left| \frac{x+21}{2} \right| = 6$$

$$9) \frac{3}{|k-16|} = 26$$

$$5) \left| \frac{7}{z-17} \right| = 22$$

$$10) \left| \frac{d-9}{7} \right| = 29$$

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Round your answers to the nearest hundredth if needed.

$$1) \left| \frac{3}{b+21} \right| = 10$$

$$b = -20.7 \text{ or } -21.3$$

$$6) \frac{|a+5|}{8} = 28$$

$$a = -229 \text{ or } 219$$

$$2) \frac{1}{|v+29|} = 7$$

$$v = -29.14 \text{ or } -28.86$$

$$7) \left| \frac{f-22}{9} \right| = 2$$

$$f = 4 \text{ or } 40$$

$$3) \frac{3}{|c+22|} = 24$$

$$c = -22.12 \text{ or } -21.88$$

$$8) \frac{|s-15|}{7} = 12$$

$$s = -69 \text{ or } 99$$

$$4) \left| \frac{x+21}{2} \right| = 6$$

$$x = -33 \text{ or } -9$$

$$9) \frac{3}{|k-16|} = 26$$

$$k = 15.88 \text{ or } 16.12$$

$$5) \left| \frac{7}{z-17} \right| = 22$$

$$z = 16.68 \text{ or } 17.32$$

$$10) \left| \frac{d-9}{7} \right| = 29$$

$$d = -194 \text{ or } 212$$

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