

Absolute Equations**Single Absolute****Single Absolute w/Vars**

1. $8x = 4|x - 4|$

2. $4x = 3|x - 4|$

3. $7x = 10|x - 1|$

4. $2x = 2|x - 9|$

5. $9x = 5|x - 1|$

6. $6x = 2|x - 2|$

7. $2a = 7|a - 1|$

8. $8x = 7|x + 7|$

9. $4u = 2|u - 2|$

10. $8x = 10|x - 6|$

Answers

Absolute Equations

Single Absolute

Single Absolute w/Vars

$$1. x = \frac{4}{3}$$

$$2. x = \frac{12}{7}$$

$$3. x = \frac{10}{17} \quad \text{or} \quad x = \frac{10}{3}$$

$$4. x = \frac{9}{2}$$

$$5. x = \frac{5}{14}$$

$$6. x = \frac{1}{2}$$

$$7. a = \frac{7}{9} \quad \text{or} \quad a = \frac{7}{5}$$

$$8. x = 49$$

$$9. u = \frac{2}{3}$$

$$10. x = \frac{10}{3} \quad \text{or} \quad x = 30$$