

Name : \_\_\_\_\_

## Rearranging Equations

T2ES3

1) Solve  $-31x + 2z - y = 16$  for  $y$ .

2) Solve  $28e + q = 29e - q$  for  $e$ .

3) Solve  $6d = a$  for  $d$ .

4) Solve  $\frac{kg}{3} = 11h$  for  $g$ .

5) Solve  $30 - vw =$

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$= r - 9$  for  $r$ .

7) Solve  $g + m = 1$

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$= dn$  for  $n$ .

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9) Solve  $-t^2p + c^2 = 0$  for  $p$ .

10) Solve  $\frac{x - b}{4} = 10$  for  $b$ .

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## Answer key

T2ES3

### Rearranging Equations

1) Solve  $-31x + 2z - y = 16$  for  $y$ .

$$y = 2z - 31x - 16$$

2) Solve  $28e + q = 29e - q$  for  $e$ .

$$e = 2q$$

3) Solve  $6d = a$  for  $d$ .

$$d = \frac{a}{6}$$

4) Solve  $\frac{kg}{3} = 11h$  for  $g$ .

5) Solve  $30 - vw =$

$$v = \frac{5u - 4}{w}$$

7) Solve  $g + m = 1$

$$m = 17g$$

9) Solve  $-t^2p + c^2 = 0$  for  $p$ .

$$p = \frac{c^2}{t^2}$$

10) Solve  $\frac{x - b}{4} = 10$  for  $b$ .

$$b = x - 40$$

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$= r - 9$  for  $r$ .

$= dn$  for  $n$ .

$d$