

DMP1

- 1.4 solving equations

pg 30-31 11-25 odd, 33-39 odd

$$11) -\frac{x}{3} = 27$$

$$-x = 81$$

$$\boxed{x = -81}$$

$$13) 22 + r = 36$$

$$\boxed{r = 14}$$

$$15) 15 - g = 23 - 2g$$

$$+2g$$

$$+2g$$

$$15 + g = 23$$

$$\boxed{g = 8}$$

$$17) 5y + 1.8 = 4y - 3.2$$

$$-4y$$

$$-4y$$

$$y + 1.8 = -3.2$$

$$\boxed{y = -5}$$

$$19) 7y + 4 = 3 - 2y$$

$$+2y$$

$$+2y$$

$$9y + 4 = 3$$

$$9y = -1$$

$$\boxed{y = -\frac{1}{9}}$$

$$21) 4y - 8 - 2y + 5 = 0$$

$$2y - 8 + 5 = 0$$

$$2y - 3 = 0$$

$$2y = 3$$

$$\boxed{y = \frac{3}{2}}$$

$$23) 2 - 3(x + 4) = 8$$

$$2 - 3x - 12 = 8$$

$$-3x - 10 = 8$$

$$-3x = 18$$

$$\boxed{x = -6}$$

$$25) 2(x + 4) = 8$$

$$2x + 8 = 8$$

$$2x = 0$$

$$\boxed{x = 0}$$

$$33) A = \frac{1}{2}bh \text{ for } h$$

$$2A = bh$$

$$\frac{2A}{b} = h$$

$$35) V = lwh \text{ for } w$$

$$\frac{V}{lh} = w$$

$$* 37) ax + bx = c$$

$$(a+b)x = c$$

$$x = \frac{c}{a+b}$$

$$39) \frac{x-2}{2} = m+n$$

$$x-2 = 2(m+n)$$

$$x = 2(m+n) + 2$$

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