Inverse operations: Answers

(1)
$$7x - 10 = 18$$
$$7x - 10 + 10 = 18 + 10$$
$$7x = 28$$
$$\frac{7x}{7} = \frac{28}{7}$$
$$x = 4$$

(6)
$$7x - 5 = 58$$
$$7x - 5 + 5 = 58 + 5$$
$$7x = 63$$
$$\frac{7x}{7} = \frac{63}{7}$$
$$x = 9$$

(2)
$$6x - 7 = 29$$
$$6x - 7 + 7 = 29 + 7$$
$$6x = 36$$
$$\frac{6x}{6} = \frac{36}{6}$$
$$x = 6$$

(7)
$$2x - 5 = 1$$
$$2x - 5 + 5 = 1 + 5$$
$$2x = 6$$
$$\frac{2x}{2} = \frac{6}{2}$$
$$x = 3$$

(3)
$$10x - 4 = 16$$
$$10x - 4 + 4 = 16 + 4$$
$$10x = 20$$
$$\frac{10x}{10} = \frac{20}{10}$$
$$x = 2$$

(8)
$$3x - 8 = 10$$
$$3x - 8 + 8 = 10 + 8$$
$$3x = 18$$
$$\frac{3x}{3} = \frac{18}{3}$$
$$x = 6$$

(4)
$$3x - 9 = 9$$
$$3x - 9 + 9 = 9 + 9$$
$$3x = 18$$
$$\frac{3x}{3} = \frac{18}{3}$$
$$x = 6$$

(9)
$$6x - 1 = 23$$
$$6x - 1 + 1 = 23 + 1$$
$$6x = 24$$
$$\frac{6x}{6} = \frac{24}{6}$$
$$x = 4$$

(5)
$$5x - 3 = 7$$
$$5x - 3 + 3 = 7 + 3$$
$$5x = 10$$
$$\frac{5x}{5} = \frac{10}{5}$$
$$x = 2$$

(10)
$$5x - 4 = 11$$
$$5x - 4 + 4 = 11 + 4$$
$$5x = 15$$
$$\frac{5x}{5} = \frac{15}{5}$$
$$x = 3$$

(11)
$$8x - 1 = 23$$
$$8x - 1 + 1 = 23 + 1$$
$$8x = 24$$
$$\frac{8x}{8} = \frac{24}{8}$$
$$x = 3$$

(16)
$$7x - 6 = 57$$
$$7x - 6 + 6 = 57 + 6$$
$$7x = 63$$
$$\frac{7x}{7} = \frac{63}{7}$$
$$x = 9$$

(12)
$$10x - 4 = 36$$
$$10x - 4 + 4 = 36 + 4$$
$$10x = 40$$
$$\frac{10x}{10} = \frac{40}{10}$$
$$x = 4$$

(17)
$$6x - 3 = 33$$
$$6x - 3 + 3 = 33 + 3$$
$$6x = 36$$
$$\frac{6x}{6} = \frac{36}{6}$$
$$x = 6$$

(13)
$$9x - 2 = 52$$
$$9x - 2 + 2 = 52 + 2$$
$$9x = 54$$
$$\frac{9x}{9} = \frac{54}{9}$$
$$x = 6$$

(18)
$$2x - 1 = 13$$
$$2x - 1 + 1 = 13 + 1$$
$$2x = 14$$
$$\frac{2x}{2} = \frac{14}{2}$$
$$x = 7$$

(14)
$$9x - 3 = 60$$
$$9x - 3 + 3 = 60 + 3$$
$$9x = 63$$
$$\frac{9x}{9} = \frac{63}{9}$$
$$x = 7$$

(19)
$$6x - 8 = 10$$
$$6x - 8 + 8 = 10 + 8$$
$$6x = 18$$
$$\frac{6x}{6} = \frac{18}{6}$$
$$x = 3$$

(15)
$$4x - 5 = 23$$
$$4x - 5 + 5 = 23 + 5$$
$$4x = 28$$
$$\frac{4x}{4} = \frac{28}{4}$$
$$x = 7$$

(20)
$$4x - 7 = -3$$
$$4x - 7 + 7 = -3 + 7$$
$$4x = 4$$
$$\frac{4x}{4} = \frac{4}{4}$$
$$x = 1$$

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