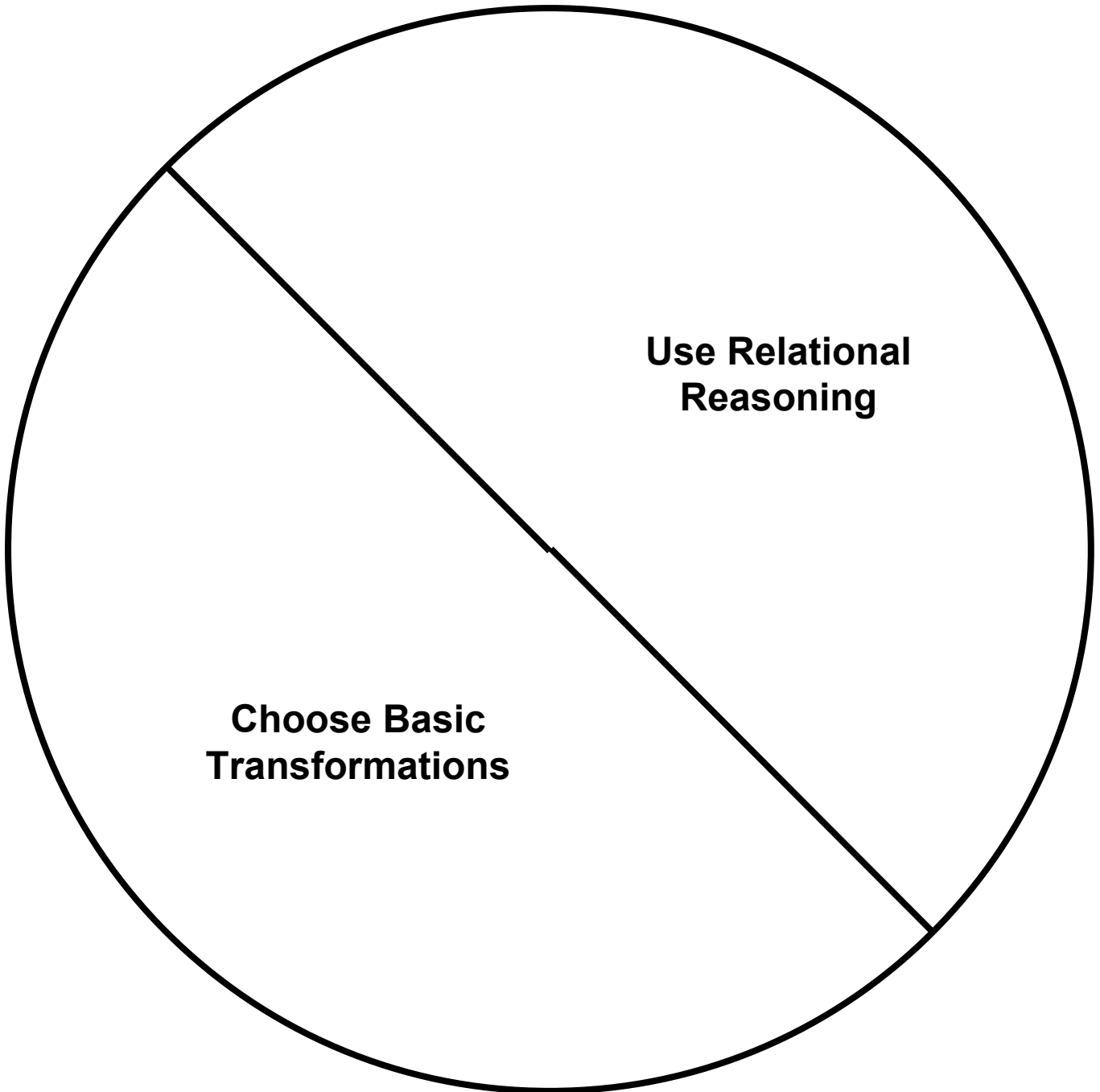


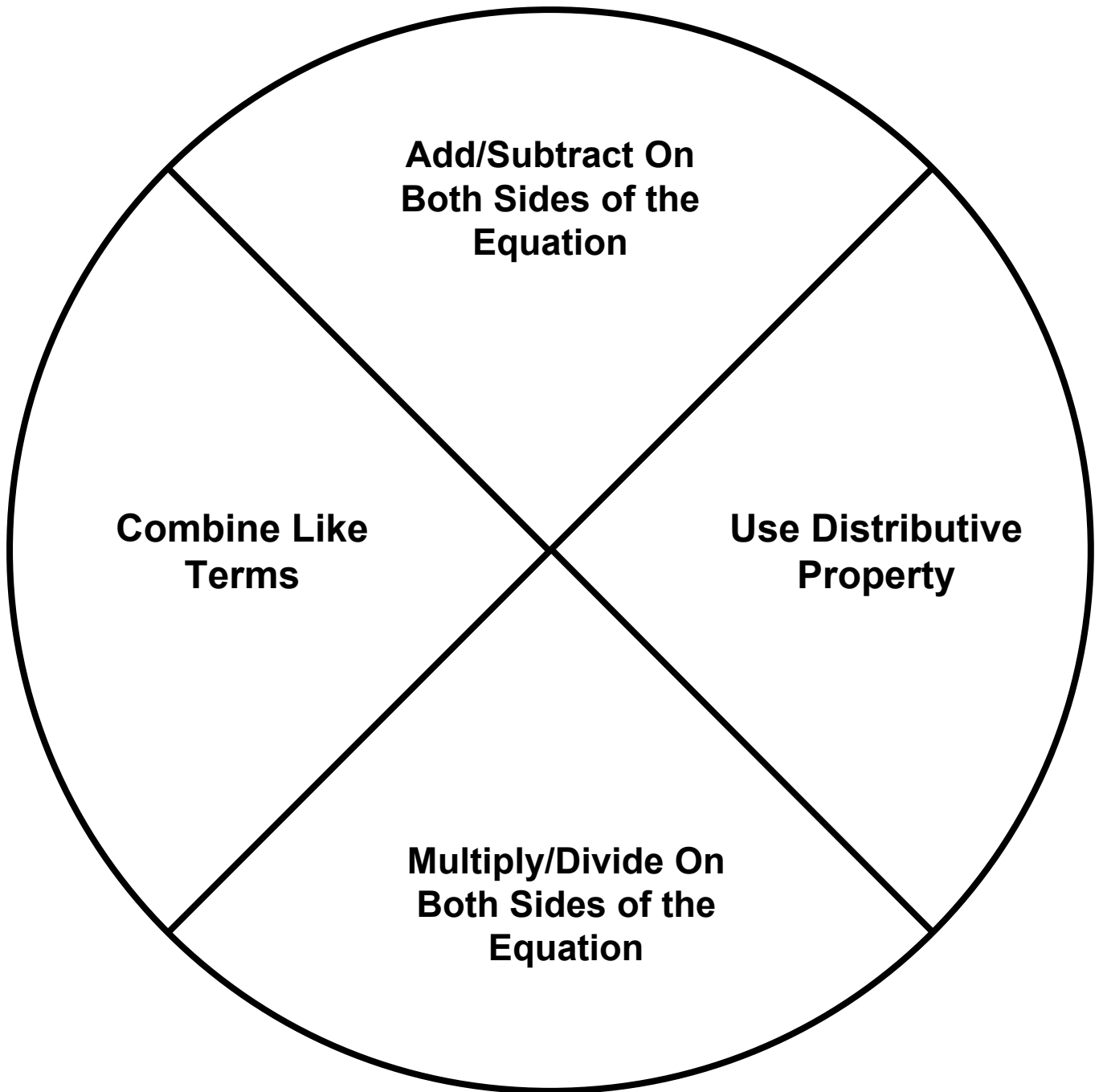
Solving Equations: How Will I Solve It?

Directions: Spin the spinner. Find a problem card that matches the approach you spin. Keep the problem card if you solve it correctly.



Solving Equations: How Will I Solve It?

Directions: Spin the spinner. Find a problem card for which you would use that basic transformation as your first step. Keep the problem card if you solve it correctly.



$$6(2x + 3) = 6x + 12$$

$$(x - 2) + 3(x - 2) = 16$$

$$3x - 2 + 4x = 2x - 7 + 4x$$

$$5 - 4x + 8x = \frac{1}{2}(2x - 18)$$

$$2(x + 2) + 3(x - 2) = 17$$

$$5(x + 1) = 5(2x + 3)$$

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

$$9x - 5x + 3 = 2x - 10$$

$$3(2x - 5) = 15$$

$$9(x - 8) = 4(x + 2)$$

$$35 = 4x - 1$$

$$3(x + 5) = 18$$

$$5x + 2 = 3x - 18$$

$$9x - 12 = 25$$

$$5(3x - 7) = 35$$

$$25 = 5(x - 3)$$

$$10x - 6 = 24$$

$$5(x + 7) + 2(x + 7) = 49$$

$$2(x - 7) = 2x + 16$$

$$3(x + 7) = 3x + 21$$

$$\frac{1}{5}x + 15 = 30$$

$$\frac{1}{3}x + 12 = 23$$

$$4x - 8 = 10$$

$$6x - 8 = 10$$

$$10 = 7(2x + 4)$$

$$30 = 6(2x + 4)$$

$$3(x + 7) + 3(x - 2) = 28$$

$$3(x + 5) + 4(x + 5) = 56$$

$$6(x + 4) = 4x + 20$$

$$5(x + 4) = 10x + 40$$

$$5 - 2(x + 1) = 1$$

$$3(a + 1) - 2 = 7$$

$$-4 = \frac{b}{20} - 5$$

$$3(a + 1) - 2 = 7$$

$$\frac{m + 9}{3} + 2 = -6$$

$$c - 1 = 5c + 3c - 8$$

$$3(n + 1) - 2(n + 1) = 8$$

$$12 = -4(-6x - 3)$$

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

$$-20 = -4x - 6x$$

$$10 + 5(x + 1) = 40$$

$$3(a + 1) - 4a = 6a + 10$$

$$20 = \frac{n}{5} + 5$$

$$8m - 2 = 5m + 7$$

$$\frac{5m-6}{2} = \frac{m}{2} + 3$$

$$18x - 24 = 6x + 12$$

$$4(n - 3) = 3(n - 3)$$

$$10x = 7x - 15$$

$$5(x + 1) = 20$$

$$8(x + 1) - 4 = 12$$

$$6x + 6 - x = -9$$

$$32 = 8(x - 2)$$

$$6 - 2(x - 2) = 4(x - 2)$$

$$x + 6 = 5x - 9 + x$$

$$32 = 8(x - 2)$$

$$5(n + 7) = 3(n + 7) + 16$$

$$4(x - 3) = -24$$

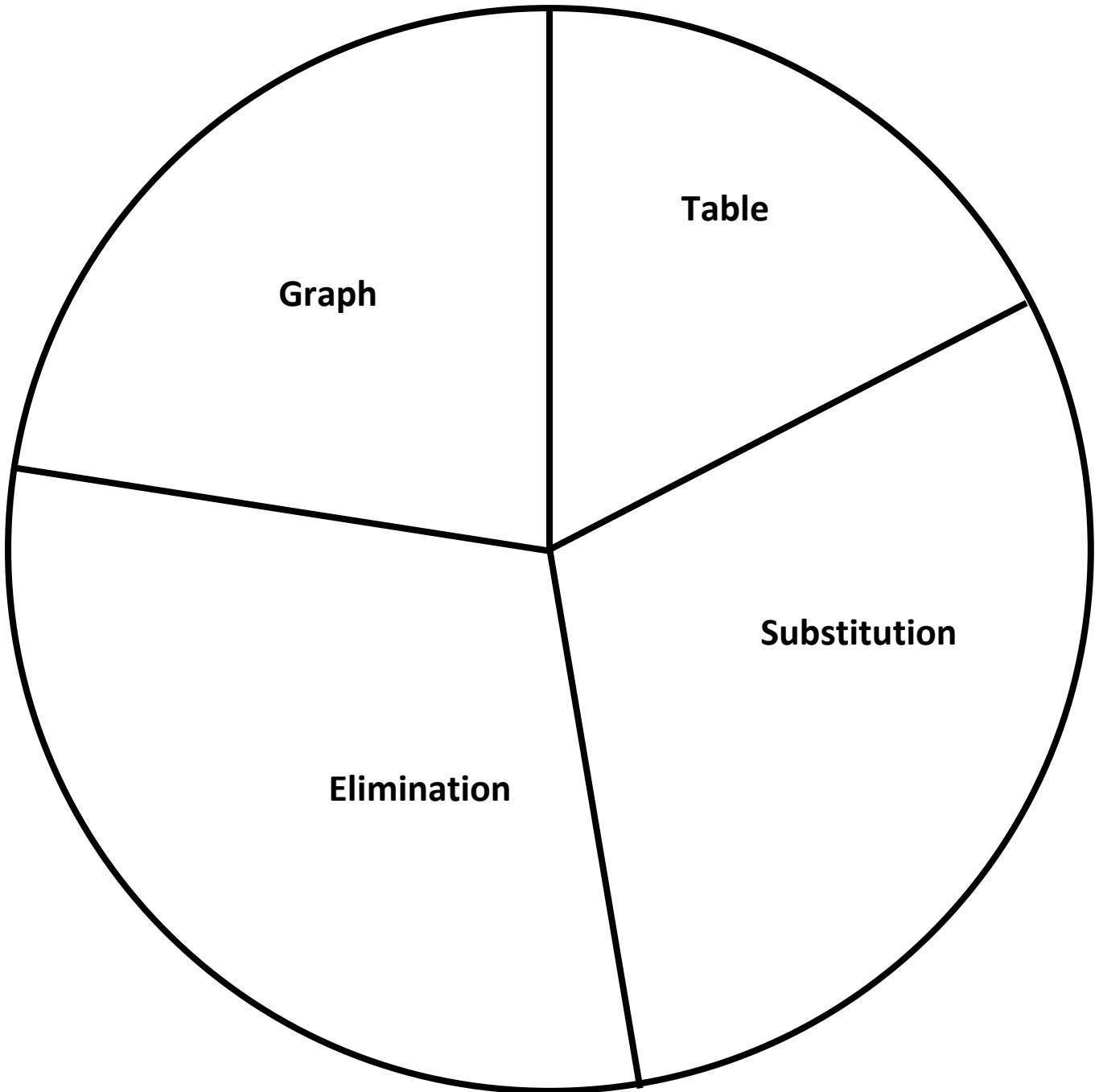
$$4(x - 3) + 1 = -23$$

$$\frac{2}{3}(9a + 15) = 4$$

$$4(x + 1) + x + 1 = 10$$

Systems of Equations: How Will I Solve It?

Directions: Spin the spinner. Find a problem card that matches the approach you spin. Keep the problem card if you solve it correctly.



$$y = 2x - 3$$
$$y = x - 1$$

$$3x + 2y = 0$$
$$y = \frac{1}{2}x - 1$$

$$4x - 2y = 8$$
$$2x + 2y = 4$$

$$x - 2y = 7$$
$$3x - 2y = 3$$

$$-2x - y = -2$$
$$2x + 4y = 11$$

$$9x - 2y = 19$$
$$7x = 21$$

$$-7x - y = 12$$
$$y = -8x = -14$$

$$y = 2x - 2$$
$$y = \frac{1}{3}x + 3$$

$$y = -x + 3$$
$$2x + 2y = 4$$

$$x + y = 3$$
$$x + 2y = 4$$

$$\begin{aligned}7x + 4y &= -7 \\ 5x + y &= 22\end{aligned}$$

$$\begin{aligned}y &= \frac{1}{2}x + 5 \\ y &= -\frac{5}{2} - 1\end{aligned}$$

$$\begin{aligned}y &= 3x \\ 5x + 2y &= 44\end{aligned}$$

$$\begin{aligned}-2x + 3y &= 11 \\ x &= 4y - 3\end{aligned}$$

$$\begin{aligned}x - y &= 11 \\ 3x + 10y &= -6\end{aligned}$$

$$\begin{aligned}y &= 4x - 10 \\ y &= \frac{1}{3}x + 1\end{aligned}$$

$$\begin{aligned}-x + 3y &= 6 \\ -5x + 3y &= 6\end{aligned}$$

$$\begin{aligned}4x + y &= 6 \\ y &= \frac{1}{2}x - 1\end{aligned}$$

$$\begin{aligned}x &= 3y + 1 \\ 5x + 6y &= 14\end{aligned}$$

$$\begin{aligned}3x - 3y &= -2 \\ -6x + 6y &= 4\end{aligned}$$

$$\begin{aligned}2x - 3y &= -16 \\ 5x + 9y &= 40\end{aligned}$$

$$\begin{aligned}y &= \frac{1}{2}x + 1 \\ y &= 3x + 4\end{aligned}$$

$$\begin{aligned}y &= 2x \\ -5x + 2y &= -1\end{aligned}$$

$$\begin{aligned}-2x + 8y &= 10 \\ x &= 4y - 5\end{aligned}$$

$$\begin{aligned}x - y &= 7 \\ 4x - y &= 3\end{aligned}$$

$$\begin{aligned}y &= 3x - 5 \\ y &= \frac{1}{3}x + 5\end{aligned}$$

$$\begin{aligned}3x - y &= 4 \\ 7x + 2y &= 18\end{aligned}$$

$$\begin{aligned}3x + 7y &= 28 \\ 6x + 7y &= 49\end{aligned}$$

$$\begin{aligned}y &= 8 \\ 5x - y &= 2\end{aligned}$$

$$\begin{aligned}y &= \frac{1}{3}x + 3 \\ y &= 2x - 2\end{aligned}$$