Solve Inequalities Worksheets

1. Solve each inequality and graph the solution on a number line.

a) $6x - 5 < 7x + 4$

b) $3(x - 1) \geq 5$

c) $-2f < -16$

d) $-\dfrac{x}{12} \leq \dfrac{1}{4}$

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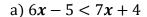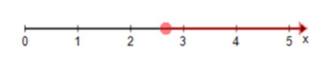
a) $6x - 5 < 7x + 4$

$-5 < x + 4$
$-9 < x$

b) $3(x - 1) \geq 5$

$3x - 3 \geq 5$
$3x \geq 8$
$x \geq \dfrac{8}{3}$

c) $-2f < -16$

$f > 8$

d) $-\dfrac{x}{12} \leq \dfrac{1}{4}$

$x \geq -3$