(i) $2(2-a) \leq 4a-16$

$4-2a \leq 4a-16$

$4-2a-4a \leq 4a-4a-16$

$4-6a \leq -16$

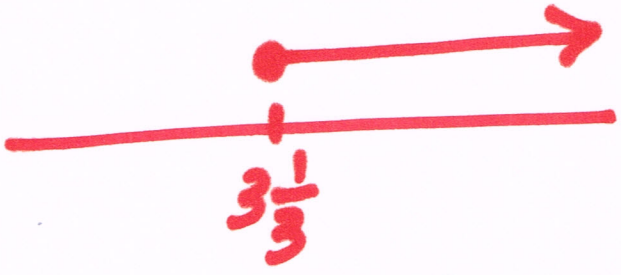
~~$4+16-6a \leq -16+16$~~

$-6a+4-4 \leq -16-4$

$-6a \leq -20$

$\frac{-6a}{-6} \geq \frac{-20}{-6}$

$a \geq 3\frac{1}{3}$



$3\frac{1}{3}$

$[3\frac{1}{3}, \infty)$

(ii) $\frac{a}{5} < \frac{2a-5}{-2}$

$-2a < 5(2a-5)$

$-2a < 10a - 25$

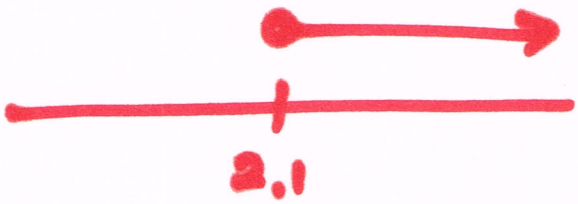
$-2a - 10a < 10a - 10a - 25$

$-12a < -25$

$\frac{-12a}{-12} > \frac{-25}{-12}$ ← flip the sign once you divide by negative number

$a > \frac{25}{12}$

$a > 2.1$



2.1

$(2.1, \infty)$

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