

## Simplify or Rationalize the fractions.

1) $\frac{\frac{3}{4}}{\frac{5}{8}}$	2) $\frac{\frac{1}{2}}{\frac{1}{2}}$	3) $\frac{\frac{10}{3}}{\frac{5}{3}}$	4) $\frac{\frac{3}{5}}{\frac{8}{5}}$	5) $\frac{1}{\sqrt{2}}$	6) $\frac{3}{\sqrt{3}}$	7) $\frac{5}{\sqrt{3}}$	8) $\frac{2}{\sqrt{2}}$
9. Simplify $\frac{4(x+2)(8)(x-1)}{(x+2)(2)}$	10. Simplify $\frac{x^2 - 4x + 3}{(x-1)(x+7)}$	11. Simplify $\frac{x^2 + 8x + 7}{x^2 + 7x + 6}$	12. Simplify $\frac{7x^3(x-5)(x+2)}{x^2(x-5)(49)}$				
13. Add/Subtract $\frac{7x}{x+4} + \frac{5}{x}$	14. Add/Subtract $\frac{7}{x} - \frac{9x}{x-5}$	15. Add/Subtract $\frac{x-5}{x+1} + \frac{7x}{x-5}$	16. Add/Subtract $\frac{x+3}{x-1} - \frac{3x-4}{x+9}$				

Determine what quadrant the angle is in. Draw the angle.

$\theta = \frac{5\pi}{4}$	$\theta = 335^\circ$	$\theta = \frac{11\pi}{4}$
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