

$\frac{x^2 - 6x + 8}{4x^2 + 8x - 32} = \frac{(x - 4)(x - 2)}{4(x - 2)(x + 4)}$  so the domain of the expression excludes both  $x = 2$  and  $x = -4$ . Simplifying the expression, you find that  $\frac{(x - 4)(x - 2)}{4(x - 2)(x + 4)} = \frac{x - 4}{4(x + 4)}$ .