

# Rational Functions and Radicals

## Question

*It takes Deniece 15 minutes less time to commute 60 miles to work in the summer than in the winter; there is less traffic, and cars can go 8 miles per hour faster.*

*Which of the following equations correctly model the commute?*

a.  $\frac{60}{x-15} - \frac{60}{x} = 8$

b.  $\frac{60}{x-.25} - \frac{60}{x} = 8$

c.  $\frac{60}{x+8} - \frac{60}{x} = .25$

d.  $\frac{60}{x} - \frac{60}{x+8} = .25$