ALGEBRA 1
The 6 C's

CONCEPTS & PROCEDURES
Practices 2 & 6

You drive 300 miles in 5 hours. How long will it take you to complete the entire trip of 1,020 miles?

CRITICAL THINKING
Practices 1 & 5

A number is divided by a quantity four less than itself, represented by the expression below. Which values of x will result in a quantity less than one? Greater than one? Which values of x cannot be used at all, and why?

$$\frac{x}{x-4}$$

COMMUNICATE REASONING
Practice 3

Talk-a-Lot cell phone service offers a monthly plan of $2 basic rate, plus 5 cents per minute. Talk-Some-More offers a monthly plan of $5 basic rate, but only 3 cents per minute. Which plan is the least expensive and why?

CONSTRUCT MODELS
Practices 4, 7, 8

The approximate distance that an object travels after being dropped is represented by the following equation $d = 5t^2$. What does this imply about the speed at which the object is falling?

Creativity & Collaboration

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CRITICAL THINKING
Practices 1 & 5

$$\frac{x}{x-4}$$

COMMUNICATE REASONING
Practice 3

CONSTRUCT MODELS
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Creativity & Collaboration