Thursday April 28,2011

answers pg 389 #10-14
Extra Practice WS

Warm-Up

1. If a car accelerates from 5 m/s to 15 m/s in 2 seconds, what is the car's average acceleration?

$$a = \frac{v_2 - v_1}{t} = \frac{15\text{m/s} - 5\text{m/s}}{2\text{s}} = \frac{10\text{m/s}}{2\text{s}} = 5\text{m/s/s}$$

2. How long does it take to accelerate an object from rest to 30 m/s if the acceleration was 5 m/s^2?

$$t = \frac{v}{a} = \frac{30\text{m/s}}{5\text{m/s}^2} = 6\text{s}$$

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Complete Extra Practice Acceleration WS

Attachments

answers pg 388 #1-5,7-9.notebook

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Answers Extra Practice Acceleration WS.notebook