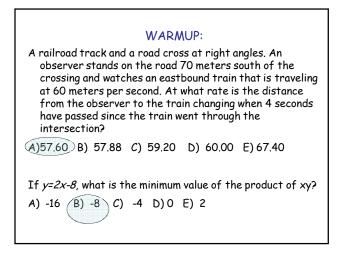
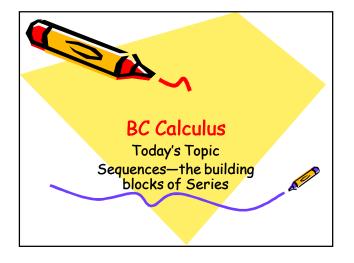
WARMUP:

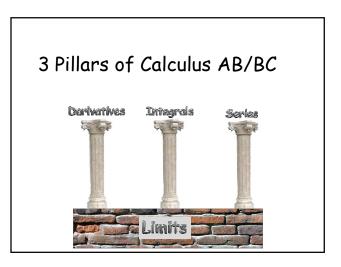
A railroad track and a road cross at right angles. An observer stands on the road 70 meters south of the crossing and watches an eastbound train that is traveling at 60 meters per second. At what rate is the distance from the observer to the train changing when 4 seconds have passed since the train went through the intersection?

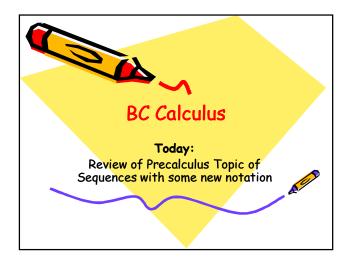
A)57.60 B) 57.88 C) 59.20 D) 60.00 E) 67.40

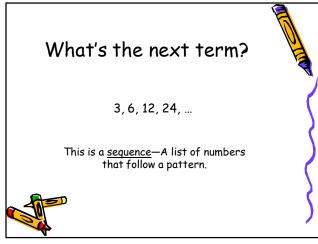
If y=2x-8, what is the minimum value of the product of xy? A) -16 B) -8 C) -4 D) 0 E) 2

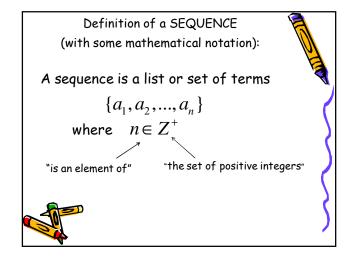


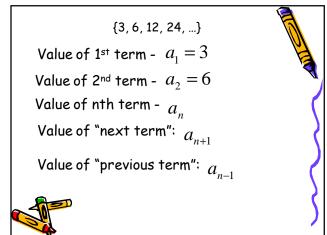


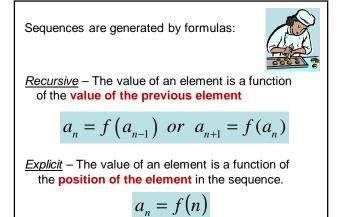


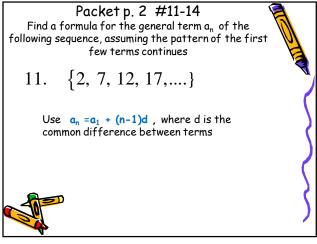


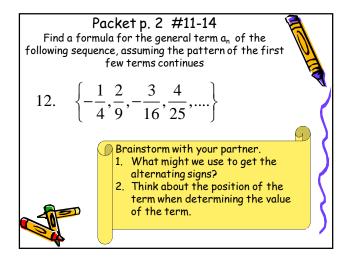


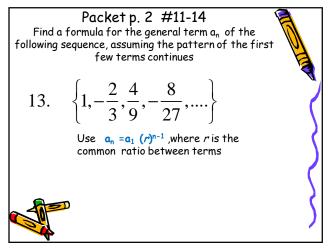


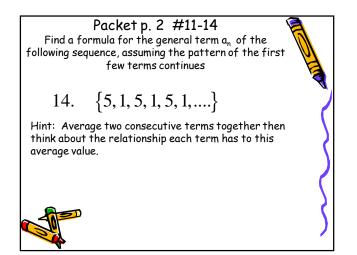












Recursive Example: Find the first
three elements of the sequence
$$a_1 = 1, a_{n+1} = \frac{a_n + 2}{a_n}$$

