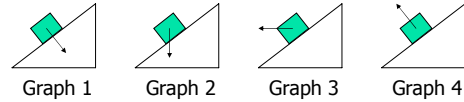**In class Quiz #7-1**

You weigh 120 lbs on earth. If you found yourself on a planet with 6 times the mass of the earth and 2 times the radius of earth, how much would you weigh?

A. 120 lbs
B. 150 lbs
C. 180 lbs ✓
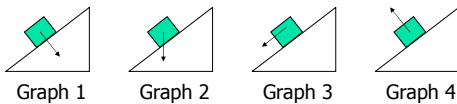D. 240 lbs
E. 210 lbs

$$F_g = G\frac{m_1 m_2}{r^2}$$

Which way does the weight of the block point?

Graph 1   Graph 2   Graph 3   Graph 4

A. Graph1
B. Graph2 ✓
C. Graph3
D. Graph4

Doesn't count for in-class grade!

Which way does the acceleration of the block point?

Graph 1   Graph 2   Graph 3   Graph 4

A. Graph1
B. Graph2
C. Graph3 ✓
D. Graph4

Doesn't count for in-class grade!

Which way does the normal force on the block point?

Graph 1   Graph 2   Graph 3   Graph 4
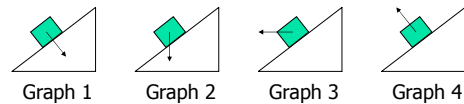
A. Graph1
B. Graph2
C. Graph3
D. Graph4 ✓

Doesn't count for in-class grade!

Which way does the net force on the block point?


Graph 1   Graph 2   Graph 3   Graph 4
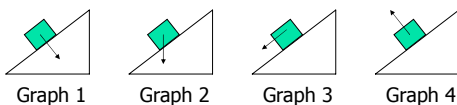
A. Graph1
B. Graph2
C. Graph3 ✓
D. Graph4

Doesn't count for in-class grade!

In class Quiz #7-2

A person pulls a block across a rough horizontal surface at a constant speed by applying a force F. The arrows in the diagram correctly indicate the directions but not necessarily the magnitudes of the various forces acting on the block. Which of the following statements must be true?

A. $F = k$ and $N = W$
B. $F = k$ and $N > W$
C. $F > k$ and $N = W$
D. $F > k$ and $N > W$
E. None of the above ✓
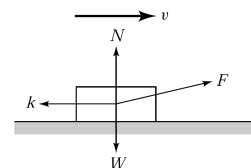
Everybody who answered gets 2 points for this question

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