

If I get a driver with bigger COR and swing at the same speed, what happens to:

(17.) The ball speed?

- (a.) Same
- ☒ (b.) greater
- (c.) less
- (d.) can't predict

(18.) The distance of the drive?

- (a.) Same
- ☒ (b.) greater
- (c.) less
- (d.) can't predict

The last two problems have to deal with a 10m platform diver (80kg):

(19.) At what speed do they enter the water?

- (a.) 10 m/s
- (b.) 22 mph
- (c.) Both (b) and (c)
- (d.) 20 m/s
- ☒ (e.) 14 m/s

$$W_{grav} = KE : 2 \quad \text{so} \quad \sqrt{2} \, 10 \, \text{m/s}$$

(20.) What is their kinetic energy when they enter the water?

- (a.) 4000J
- ☒ (b.) 8000J
- (c.) 6000J
- (d.) 5600J
- (e.) 2000J