

# Circular Motion

(4) D      (5) A      (12) B      (13) C

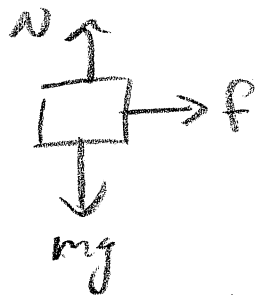
(18) C

$$F = \frac{mv^2}{r}$$

$$= \frac{(1600)(12)^2}{100}$$

$$= 2304 \text{ N}$$

(19) D



$$F = mac$$

$$= \frac{mv^2}{r}$$

$$= \frac{1000(30)^2}{20}$$

$$= 45000 \text{ N}$$

(28) A

(29) D

(30) B

(31) A

(32) A

(43) D

(44) B

(45) C

(46) A

(47) D

(48) A

(57) A

(58) C

(59) D