## **Trigonometry Review**

1. Solve the following triangles.



3. Determine the length of AB to the nearest tenth.

2ľ



- $\sin 54^\circ = \frac{y}{92}$ 4. What is the length of MN?  $y = 925754^{\circ}$   $\chi = 54.08 \times 4 = 36.47$  z = 74.43 = 36.4792 cm 7: 92 (055F = 5408
- $t_{an}34^{\circ}=\frac{\chi}{\tau_{unc}}$ Q=y-X = 74.43-36.47 = 37.96

Determine the measure of angle F to the nearest degree. 5.



- 6. The string on Yuri's kite is 45 m long and makes an angle of 55° with the ground. Yuri's friend, Abdul, is standing directly below the kite.
- a) How far apart are Abdul and Yuri now, to the nearest tenth of a metre?



**b**) Abdul runs away from Yuri, so that the angle of elevation between Abdul and the kite is 15°. How far apart are Abdul and Yuri, to the nearest tenth of a metre?

