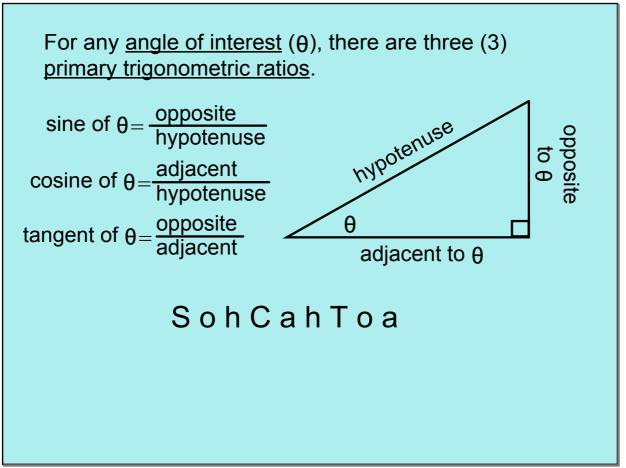
Take up any questions from review/test

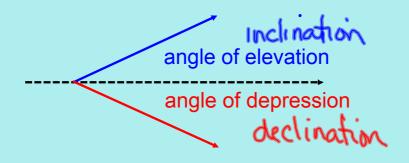
Apr 19-9:11 PM



Dec 7-9:58 PM

<u>Angle of Elevation</u> (or Inclination): the angle measured <u>above</u> the horizontal.

<u>Angle of Depression</u> (or Declination): the angle measured <u>below</u> the horizontal.



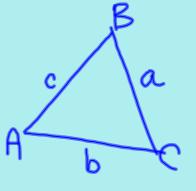
Dec 9-9:41 PM

The Sine Law (2 formats): In \triangle ABC,

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

or

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

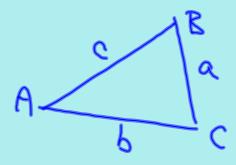


The cosine law:

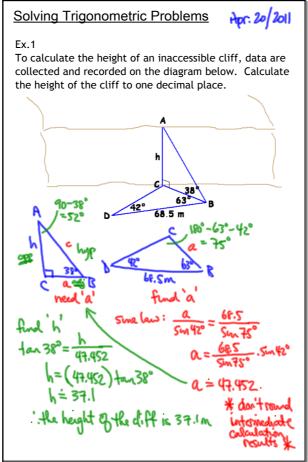
$$a^2 = b^2 + c^2 - 2b c cos A$$

$$b^2 = a^2 + c^2 - 2 a c \cos B$$

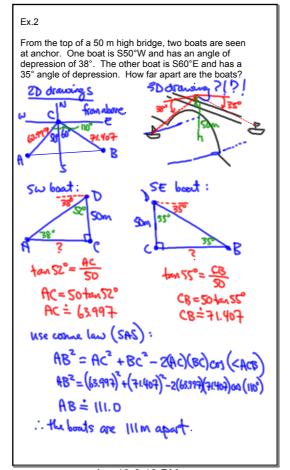
$$c^2 = a^2 + b^2 - 2 a b \cos C$$



Apr 19-9:16 PM



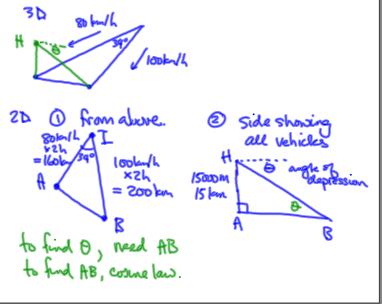
Apr 19-9:13 PM



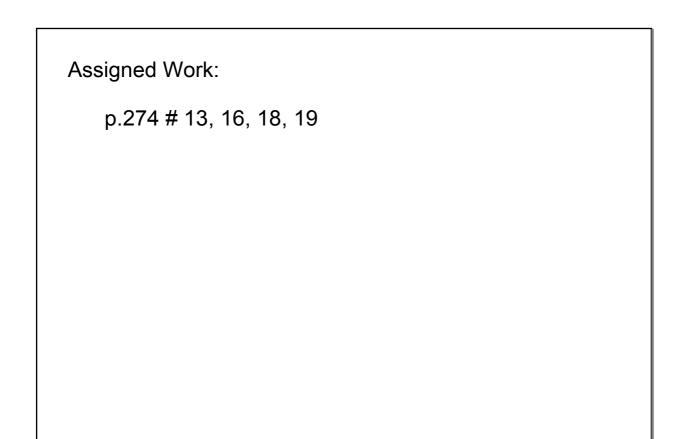
Apr 19-9:19 PM

Ex.3

Two roads intersect at 34°. At 9:00, two cars leave the intersection on different roads at speeds of 80 km/h and 100 km/h. At 11:00, a traffic helicopter is right above the slower car, at a height of 15000 m. Determine the angle of depression and the distance from the helicopter to the faster car.



Apr 19-9:13 PM



Dec 10-10:43 PM