Homework Section 6.2 - Due 8th April

There is an envelope outside my office for you to turn in this homework.

1. #22 on page 278.
2. #30 on page 278.
3. #31 on page 278
4. #32 on page 278.
5. Given $\theta \in [0°, 360°)$ and $\sec^2(\theta) = 2\tan\theta$.
   Compute the possible values of θ.

*6. Compute *all* values of x satisfying $\sin x \cos x = 0$.
   Hence, write down *all* solutions for $\sin(2x) = 0$.

*7. Given $\theta \in [0, 2\pi)$ and $(\tan\theta + 1)(\tan\theta - 1) + 2 = \frac{4}{\sin(-2\theta)\csc^2(\theta)}$.
   Compute the possible values of θ.

*Optional questions.