Quad Factoring A not =1, with GCF

Factor each completely.

1)
$$12x^2 + 64x + 80$$

2)
$$14p^2 + 100p - 96$$

3)
$$6k^2 + 46k + 60$$

4)
$$6m^2 + 64m + 90$$

5)
$$9n^2 + 33n + 24$$

6)
$$20x^2 + 96x + 64$$