4.2.8 (assume that $7 \neq 0$ in \mathbb{F}).

All answers must be justified appropriately.

```
From Treil do problems:
```

```
page 97: 3.7.2 page 104—for these three problems you may assume, following TREIL, that the field \mathbb F is the real or complex field: 4.1.1, 4.1.2, 4.1.4, page 104: 4.1.5, 4.1.6 page 114: 4.2.1, 4.2.3 (assume that 5 \neq 0 in \mathbb F), 4.2.6 (assume that 2 \neq 0 \neq 3 in \mathbb F),
```